

Converting Colors

XYZ(48.4408, 47.5038, 96.8956)

Have a look what the booklet for
XYZ(48.4408, 47.5038, 96.8956)
contains.

XYZ(48.4771, 47.5269, 97.0611)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.4771, 47.5269,
97.0611)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B5FA
RGB	161, 181, 250
RGB Percent	63%, 71%, 98%
CMY	0.3686, 0.2902, 0.0196
CMYK	0.36, 0.28, 0.00, 0.02
HSL	227°, 90%, 81%
HSV	227°, 36%, 98%
XYZ	48.4771, 47.5269, 97.0611
YIQ	182.8860, -34.0690, 17.2190

Conversions

Conversions Part 2

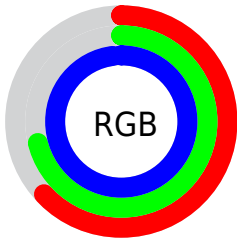
Format	Color
R_{YB}	161, 177, 250
Decimal	10597882
CIE Lab	74.53, 9.29, -36.40
CIE LCh	75, 37.571, 284.317
Yxy	47.5269, 0.2511, 0.2462
Android (android.graphics.Color)	4288787962 (0xFFA1B5FA)
YUV	182.8860, 33.0872, -19.1940
Hunter-Lab	68.9398, 4.8732, -35.2173

Details

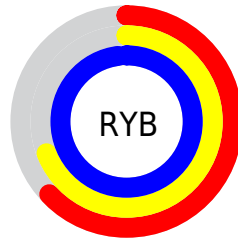
The XYZ color **48.4771, 47.5269, 97.0611** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.1554, 79.4921, 45.1551**, and the grayscale version is **44.7864, 47.1188, 51.3124**.

A 20% lighter version of the original color is **77.2476, 82.6938, 106.4979**, and **23.2887, 22.3528, 53.5391** is the 20% darker color. If you saturate the color by 10%, you get **40.2631, 37.8441, 95.6259**, and if you desaturate by 10%, it is **58.2498, 58.8291, 98.7284**.

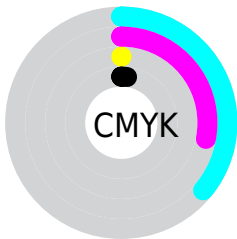
Distribution



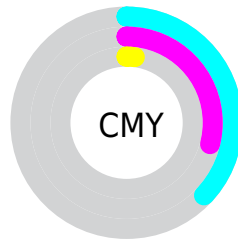
- Red (63%)
- Green (71%)
- Blue (98%)



- Red (63%)
- Yellow (69%)
- Blue (98%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (2%)



- Cyan (37%)
- Magenta (29%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4771, 47.5269, 97.0611 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 48.4771, 47.5269, 97.0611 by changing the saturation by 10% instead.

■ 48.4771, 47.5269,
97.0611

■ 48.4771, 47.5269,
97.0611

371.2313,
376.9138, 571.8946

■ 34.4177, 33.4524,
73.2453

■ 87.1197, 86.4996,
159.1290

■ 23.3791, 22.4732,
53.6835

■ 112.4337,
112.1665, 198.2182

■ 14.9959, 14.2050,
37.9572

142.2298,
142.4664, 243.2356

■ 8.9028, 8.2634,
25.6479

176.8736,
177.7837, 294.5997

■ 4.7344, 4.2640,
16.3370

216.7302,
218.5026, 352.7292

■ 2.1254, 1.8223,
9.6060

262.1652,

■ 0.7030, 0.5010,

265.0077, 418.0424

5.0364

313.5437,
317.6833, 490.9580

■ 0.0000, 0.0000,
2.2095

■ 0.0000, 0.0000,
0.6798

■ 48.4771, 47.5269,
97.0611

■ 48.4771, 47.5269,
97.0611

■ 40.2631, 37.8441,
95.6259

■ 58.2498, 58.8291,
98.7284

■ 33.5201, 29.6991,
94.4092

■ 69.6528, 71.8161,
100.6342

■ 28.1588, 23.0112,
93.4008

■ 82.7592, 86.5564,
102.7885

■ 24.0778, 17.6896,
92.5888

■ 94.2555, 99.6822,
104.7162

■ 21.1607, 13.6324,
91.9594

■ 19.2673, 10.7208,
91.4972

■ 18.6784, 9.7480,
91.3405

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.7366, 47.5269, 96.7108



48.4771, 47.5269, 97.0611



54.9161, 47.5269, 83.3564

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.4771, 47.5269, 97.0611



55.1671, 47.5269, 29.7851



33.7386, 47.5269, 42.2899

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.4771, 47.5269, 97.0611



74.1554, 79.4921, 45.1551

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.6562, 47.5269, 29.3513



48.4771, 47.5269, 97.0611



48.7928, 47.5269, 23.4636

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.4771, 47.5269, 97.0611



59.0327, 47.5269, 43.0467



42.0223, 47.5269, 23.3278



33.6723, 47.5269, 61.5509

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4771, 47.5269, 97.0611



57.9825, 47.5269, 69.6933



42.0223, 47.5269, 23.3278



34.4042, 47.5269, 37.1835

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.4787, 47.5287, 97.0622



78.9235, 81.9642, 106.2687



63.0604, 81.6196, 86.7315



16.5004, 17.1018, 22.6813



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.4787, 47.5287, 97.0622



44.1618, 42.0175, 100.3903



49.9451, 42.6748, 96.0480



16.5994, 17.2756, 21.8449



9.9952, 5.3459, 48.4786



1.0014, 0.6466, 4.5152

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



60.5111, 49.1516, 50.0157



58.6738, 44.5199, 43.5262



72.0676, 87.1574, 46.7447



17.4043, 17.2891, 18.7189



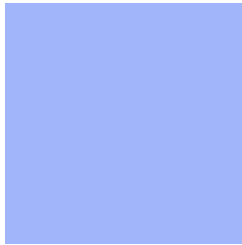
21.3371, 10.9506, 3.2177



2.0144, 1.0295, 0.4993

Previews

White Background



This preview shows how the XYZ color 48.4771, 47.5269, 97.0611 looks on a white background.

Color Contrast Check

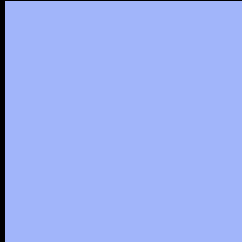
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 48.4771, 47.5269, 97.0611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

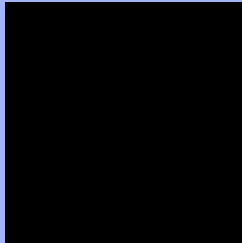
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4771, 47.5269, 97.0611

Background



This preview shows how black text looks on a background with the XYZ color 48.4771, 47.5269, 97.0611.



This preview shows how white text looks on a background with the XYZ color 48.4771, 47.5269,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.4771, 47.5269, 97.0611

Protanopia

48.8834, 47.7364, 97.0801

Deuteranopia

48.6795, 47.6313, 97.0705



Tritanopia

42.0106, 47.7187, 64.7540

Trichromacy



Original Color

48.4771, 47.5269, 97.0611

Protanomaly

48.6795, 47.6313, 97.0705

Deuteranomaly

48.6795, 47.6313, 97.0705

Tritanomaly

44.1479, 47.6311, 75.2735

Monochromacy



Original Color

48.4771, 47.5269, 97.0611

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.6696, 47.0749, 65.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4771, 47.5269, 97.0611 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(161, 181, 250)` looks like.

```
.text, #text, p{  
    color:rgb(161, 181, 250)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(161, 181, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 181, 250) }
```

Border

The CSS property to change the border of an element to XYZ 48.4771, 47.5269, 97.0611 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 181, 250) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(161, 181, 250) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(161, 181, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 181, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 181, 250);  
box-shadow:4px 4px 4px 4px rgb(161, 181,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4771, 47.5269, 97.0611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 181, 250) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(161,  
181, 250) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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